Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/01/2015 11:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Failed

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125518	0	6.11	125348	5.90
Blue	F	SSC	125000	124581	-1	2.60	125431	2.26
Blue	E	FITC	17998	17426	-4	2.71	982	10.03
Blue	D	PE	23234	22648	-3	2.28	1022	9.12
Blue	B	PerCP-Cy5-5	69571	68520	-2	3.08	1810	14.96
Blue	A	PE-Cy7	77815	76177	-3	4.22	982	28.83
Red	C	APC	65936	64830	-2	2.58	3655	8.46
Red	A	APC-Cy7	100669	100318	-1	2.62	1977	8.11
Violet	B	V450	10405	9901	-5	3.65	612	8.46
Violet	A	V500	47250	45663	-4	3.30	2577	6.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19289	32.64	631	52 (1)	N/A	N/A	Failed
Blue	F	SSC	62206	1.48	535	46	N/A	N/A	Pass
Blue	E	FITC	106	36.24	547	32	0.0193	2	Pass
Blue	D	PE	212	26.50	540	33	0.1366	125	Pass
Blue	B	PerCP-Cy5-5	215	44.80	630	40	0.0087	0	Pass
Blue	A	PE-Cy7	70	120.62	690	44	0.0112	17	Pass
Red	C	APC	340	27.09	593	15	0.0192	0	Pass
Red	A	APC-Cy7	123	39.36	575	16	0.0046	852	Pass
Violet	B	V450	65	46.33	476	26	0.0463	2490	Pass
Violet	A	V500	168	22.30	517	29	0.0130	89	Pass

(1) Parameter is out of specifications range.

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-30.78	-30.50	0.68
Blue	20.47	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.19
Red	14.93	13.09 - 19.63	N/A	N/A	31.16	31.45	1.09

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 13240

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments